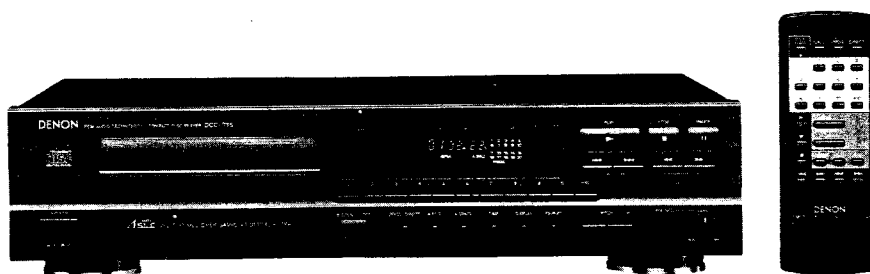


DENON

Hi-Fi Component

MODEL DCD-715 **MODEL DCD-615** **STEREO CD PLAYER**

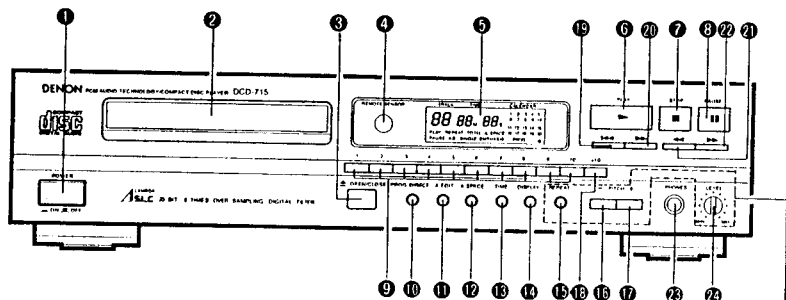


(Photo : DCD-715)

NIPPON COLUMBIA CO., LTD.

FRONT PANEL
FRONTPLATTE
PANNEAU AVANT
PANNELLO FRONTALE

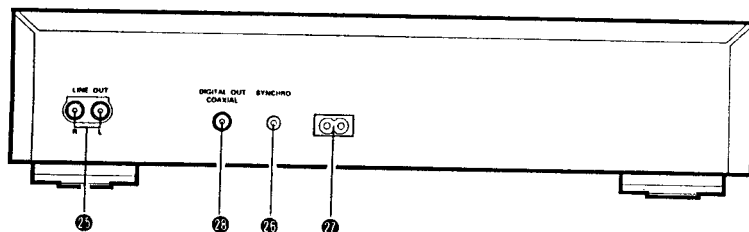
TABLERO FRONTAL
VOORPANEEL
FRONT PANELEN
PAINEL FRONTAL



DCD-715 only
nur beim DCD-715
DCD-715 seulement
solo sui DCD-715
somente en DCD-715
enkel DCD-715
enkel DCD-715
só DCD-715

REAR PANEL
RÜCKWAND
PANNEAU ARRIERE
IL PANNELLO POSTERIORE

PANEL TRASERO
ACHTERPANEEL
BAKSIDAN
PAINEL TRAZEIRO



Thank you for purchasing this DENON Compact Disc Player. Please read the operating instructions thoroughly in order to acquaint yourself with the CD player and achieve maximum satisfaction from it.

FEATURES

The DCD-715/615 Compact Disc Player incorporates DENON's Super Linear Converter which prevents deterioration of sound quality in PCM playback systems. This assures accurate reproduction of the digital signals recorded on compact discs no matter whether they are pure studio recordings or "live" performance recordings. All parts making up this CD player have selected with the greatest care in order to produce high quality realistic playback of the full musical content on compact discs.

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Please check to make sure the following items are included with the main unit in the carton:

(1) Operating Instructions	1
(2) Connection Cord	1
(3) Remote Control Unit RC-241	1
(4) R03 AAA Dry Cell Battery	2
(5) AC Cord	1

(1) Double Super Linear Converter

The use of Denon's unique system and D/A converters with excellent resolution to prevent zero cross distortion, the main cause of reduced sound quality in the PCM playback system, make for sound field reproduction with rich musical expression.

(2) High Performance Digital Filter

The DCD-715/615 uses independent D/A converters for the left and right channels and an 8x oversampling high precision digital filter to bring out the best of the analog filter and offer clear, crisp sound.

(3) Simple Playback of 8cm CD Singles

8cm CD singles can be played without using an adaptor.

(4) Wireless Remote Control Accessory

In addition to general operations such as Play, Stop and Pause, this remote control unit enables direct selection, direct programming, and other functions. Use of the remote control unit adds greatly to the operating ease of the DCD-715/615, enhancing its outstanding features.

(5) Synchronized Recording Function

Connect the SYNCHRO jack with a DENON cassette deck which is equipped with a SYNCHRO jack, then make a synchronized recording.

NAMES AND FUNCTIONS OF PARTS

1 Power Switch (POWER)

- When the power is turned on, "(00)" appears on the TRACK NO. display, and if no disc is loaded, "(000000)" appears on the digital display.
- If the power is turned on with a disc already loaded, the total number of tracks on the disc is displayed on the TRACK NO. display, the total time is displayed on the TIME display, the numbers on the music calendar light up to the number of tracks on the disc, and playback begins.
- Whenever the power switch is in the OFF state, the apparatus is still connected on AC line voltage. Please be sure to unplug the cord when you leave home for, say, a vacation.

2 Disc Holder

- Place the disc on the disc holder with the label facing up.
- Use the open/close button (OPEN/CLOSE) 3 to open and close the disc holder.
- The disc holder may also be closed by pressing the play button (PLAY) 6 or pause button (PAUSE) 8.

3 Open/Close Button (OPEN/CLOSE)

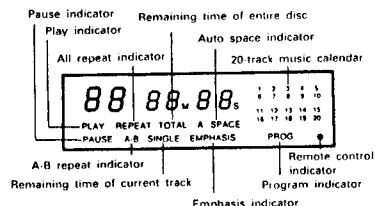
- The disc holder is opened and closed by pressing this button.
- Press this button once to open the disc holder, and once again to close it.
- When the disc holder is closed with a disc loaded, the disc will rotate for a couple of seconds while the disc contents are read. The number of tracks and total playback time on the disc are then displayed on the digital display 9.

4 Remote Control Sensor (REMOTE SENSOR)

- This sensor receives the infrared light transmitted from the wireless remote control unit.
- For remote control, point the supplied remote control unit RC-241 towards this sensor.
- When a signal is transmitted from the remote control unit, the remote control indicator in the display 9 will light up briefly.

5 Display

- The digital display is divided into sections, such as shown for track number, playback time and calendar, as displays below.



6 Play Button (PLAY)

- Press this button to start playback of a disc.
- When this button is pressed, [PLAY] is displayed, and the track number being played is displayed together with the elapsed playback time of the track.
- Tracks are shown on the calendar display. Once a track has been played, the corresponding track number goes out on the calendar display.

7 Stop Button (STOP)

- Press this button to stop playback. The disc will stop rotating, and the number of tracks and total playing time of the disc are displayed on the TRACK NO. and TIME displays, respectively.
- In case programmed playback is engaged when this button is pressed, the number of tracks and total playing time of the program are displayed.

8 Pause Button (PAUSE)

- Press this button to stop playback temporarily.
- If this button is pressed during playback, playback is stopped temporarily, the [PAUSE] indicator goes out and the [PAUSE] indicator lights.
- Press this button or the play button (PLAY) again to continue playback.

9 Number Buttons (1, 2, 3, 4, 5, 6, 7, 8, 9 and 10)

- Use these buttons for the direct search and program memory functions.
- For direct search, press for example button [3] if you want to hear track number 3. For track number 12, press [1] [2] then [0]. To program tracks, press the PROG/DIRECT button 10 to set to the program mode.

10 Program Button (PROG/DIRECT)

- Press this button when you want to enter tracks for programmed playback. (Refer to page 9, 10 for details.)

11 Auto Edit Button (A. EDIT)

- The tracks on a CD are automatically split into two halves, Side A and Side B, like an analog disc, with the division at the place between tracks which is closest to 1/2 the total playing time, and with the tracks remaining in the same order.
- When this button is pressed in the stop mode, the total playing time for the first half and the track numbers on the calendar are displayed for approximately 2 seconds. Next, the same is done for the second half, after which the unit is automatically set to the pause mode at the beginning of the first track. When the PLAY or PAUSE button is pressed, playback begins, and the unit is automatically set to the pause mode at the beginning of the first track of the second half which was previously displayed. When the PLAY or PAUSE button is pressed again, playback begins, and the unit is automatically set to the stop mode at the end of the last track on the disc.
- This function will only work for discs with a total of 20 tracks or less. Also, when this function is used the mode is automatically set to the program mode, so direct search is not possible.
- The auto edit function is cleared when the STOP button is pressed.
- The data for the total playing time recorded on the disc and the actual total playing time of the tracks differ, so there may be a difference between the time displayed in the stop mode (the total playing time) and the total of the times of the first and second halves in the auto edit mode (about 2 seconds).

12 Auto Space Button (A. SPACE)

- Pressing this button will cause the [A SPACE] indicator to light and a blank space of approximately 4 seconds is inserted between tracks during CD playback. Pressing the button once more, the [A SPACE] indicator goes out and the Auto Space feature is cancelled.
- When one of the track search buttons (or) is pressed, the Auto Space function will not operate.
- The Auto Space function will work during normal playback as well as programmed playback.
- Although 4-second blanks are inserted between tracks, this additional time is not reflected by the indication on the time remaining display or time display when the Auto Edit function is engaged.

13 Time Mode Button (TIME)

- This button is used to select the desired indication on the TIME display. The indication on this display will change each time the button is pressed. Normally, the elapsed playback time of the current track is displayed. Pressing the button once, [SINGLE] is displayed and the remaining time of the current track is displayed. Pressing once more, [TOTAL] is displayed, and total playing time of remaining tracks is displayed. However, when programmed play is in progress, the total remaining time of the program is displayed. Press the button once again to return to the normal display of the elapsed playback time of the current track.

14 Display Button (DISPLAY)

- Press this button to turn off (or turn on) the display.
- One press of this button during play will turn off the entire display; in conditions other than the play mode, only the track number will be displayed.
- Pressing the button once more will provide a return to the regular display.

15 Repeat Button (REPEAT)

(DCD-715 only)

- Press this button to repeat playback of all tracks.
- When this button is pressed, [REPEAT] lights on the display and all tracks on the disc or in a program will be repeatedly played back. Press this button once more to disengage the Repeat All function.

16 Pitch - Button (PITCH -)

(DCD-715 only)

- Press this button to slow down the playing speed. (Refer to Page 11.)

17 Pitch + Button (PITCH +)

(DCD-715 only)

- Press this button to make the playing speed faster. (Refer to Page 11.)

18 +10 Button (+10)

- Press this button first when selecting track numbers over 10. Use it together with the number buttons 0-9. For example, to select track number 15, press [1] [5]. For track number 33, press [+10] three times, then press [3].

19 Automatic Search Reverse Button ()

- Press this button to return the pickup to the beginning of the present track. Press again to return to other tracks.
- By pressing the button a number of times, the pickup will move back the corresponding number of tracks.

20 Automatic Search Forward Button ()

- Press this button to move the pickup forward to the beginning of the next track. Press again to move ahead to other tracks.
- By pressing the button a number of times, the pickup will advance the corresponding number of tracks.

21 Manual Search Reverse Button ()

- Press this button during playback for fast reverse search. As long as the button is kept pressed, music signals are played back faster than normal.
- Pressing this button when the pause mode is engaged, you can quickly reverse the pickup to a desired position, three times faster compared to manual reverse search during playback. During this time, no sound is heard.

22 Manual Search Forward Button ()

- Press this button during playback for fast forward search. As long as the button is kept pressed, music signals are played back faster than normal.
- Pressing this button when the pause mode is engaged, you can quickly forward the pickup to a desired position, three times faster compared to manual forward search during playback. During this time, no sound is heard.

23 Headphones Jack (PHONES)

- For private listening, you can connect your headphones to this jack. Do not raise the volume level too much when listening through headphones. (Headphones are sold separately.)

24 Volume Control (PHONES LEVEL) (DCD-715 only)

- Use this to adjust the output level of the headphones.

25 Output Terminal (LINE OUT)

- Connect these jacks to the input jacks on your amplifier. (Refer to page 7 for details on the connections.)

26 SYNCHRO Jack

- To make a synchronized recording, this jack must be connected to the SYNCHRO jack of the deck with a connection cord. (See Page 8 for connections.)

27 AC INLET

- Connect the included AC cord here.

28 Digital Output Jack (COAXIAL)

- This jack outputs digital data.
- We recommended using a 75-ohm pin cord (available in stores) for connections.

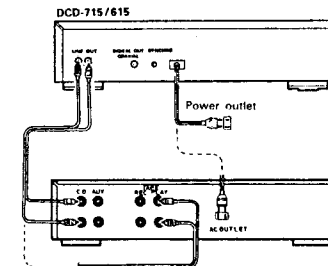
Continuous Button Operation

If the automatic search reverse button 19, the automatic search forward button 20 or the +10 button 18 are held in, the function of that button will be repeated.

CONNECTION

(1) Connecting the Output Terminal (LINE OUT)

Use the included pin cords to connect the left (L) and right (R) output terminal (LINE OUT) of the DCD-715/615 to the CD, AUX, or TAPE PLAY left (L) and right (R) input jacks of the amplifier.

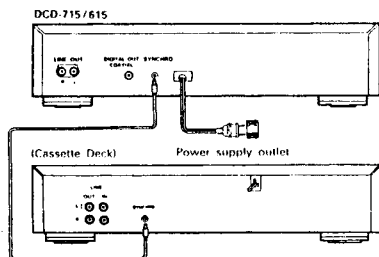


Connection Precautions

- Before proceeding with connections or disconnections of cables and power cords, be sure to turn all system components off.
- Ensure that all cables are connected properly to the L (left) and R (right) jacks.
- Insert plugs fully into the terminals.
- Connect the output jacks to the amplifier CD, AUX or TAPE PLAY input jacks.

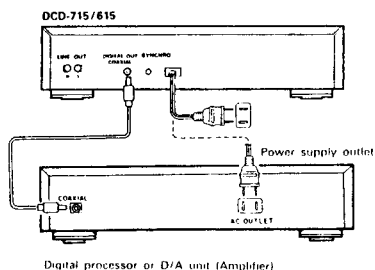
(2) SYNCHRO Jack Connections

Connect the SYNCHRO jack with a DENON cassette deck which is equipped with a SYNCHRO jack, then make a synchronized recording. Use the connection cord supplied with the cassette deck.
To make use of this function, also connect the output jacks and make the settings so that a recording can be made from the CD player to the cassette deck.



(3) Connecting the Digital Output Jack (COAXIAL)

Use a 75-ohm pin cord to connect the digital output jack (COAXIAL) of the DCD-715/615 to the digital input jack (COAXIAL) on a digital processor or D/A unit, available in stores.



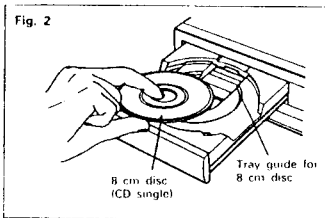
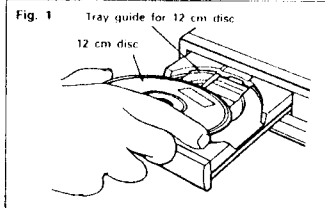
OPENING AND CLOSING THE DISC HOLDER AND LOADING A DISC

Opening and closing the disc holder (This operation only works while the power is on.)

1. Press the power switch (POWER) to turn on the power.
2. Press the open/close button (▲ OPEN/CLOSE).

How to load a disc

- Make sure the disc holder is completely open.
- Hold the disc by the edges and place it on the disc tray. (Do not touch the signal surface, i.e., the glossy side.)
- When using 12 cm. diameter discs, make sure the outer edge matches the tray guide circumference (Fig. 1), and when using CD singles (8 cm. diameter) match the outer edge with the inner tray guide circumference. (Fig. 2)
- Press the open/close button (▲ OPEN/CLOSE) to close the disc holder.
- When the disc holder is closed, the disc is read and after a few seconds the number of tracks and total playing time are displayed on the TRACK NO. and TIME displays, respectively.
- When the disc holder is open and a disc is loaded, you may also press the play (▶ PLAY) or pause (⏸ PAUSE) button to close the disc holder. (If the play button (▶ PLAY) is pressed, playback will start immediately upon the disc contents having been read.)



Caution:

- If your finger should get caught in the disc holder when it closes, press the open/close button (▲ OPEN/CLOSE).
- Do not place any foreign objects on the disc tray, and do not place more than one disc on the tray at a time. Otherwise malfunction may occur.
- Do not push in the disc tray manually when the power is off as this may cause malfunction and damage the CD player.

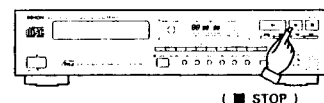
NORMAL CD PLAYBACK

(1) Starting Playback



1. Press the power switch (POWER) to turn on the power.
2. Load the disc you want to play.
- When the disc holder is closed, the disc is read and the number of tracks and total playing time of the disc are displayed.
3. Press the play button (▶ PLAY).

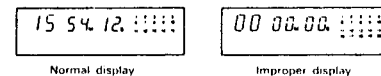
(2) Stopping Playback



1. Press the stop button (■ STOP).
- When all tracks have been played on a disc, playback will stop by itself.

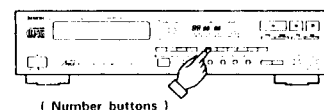
Precautions:

- If no disc has been loaded or the disc has been placed upside down, all indicators will light.
- When the information on the disc cannot be read correctly, for example due to dust or dirt on the disc, the indicators will read as shown below. Nothing will be shown on the TRACK NO. and TIME displays, and it may take quite a while to read the disc.



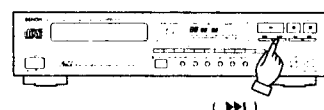
ADVANCED CD PLAYBACK

1. Playing a Specific Track Direct Search



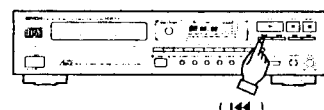
- Use the number buttons and the +10 button to input the number of the desired track.
For example, to play track number 4, press [4], and to play track number 12, press [+10] and [2]. Playback will begin from that track.

2. Advancing to the next track during playback Automatic Search



- Press the Automatic search forward button (▶▶) during playback.
- The pickup will advance to the beginning of the next track and playback will continue. Pressing the button several times will forward the pickup the corresponding number tracks.

3. Returning to the beginning of the current track during playback Automatic Search



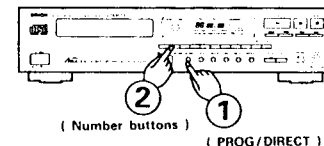
Press the Automatic search reverse button (◀◀) during playback.

- The pickup will return to the beginning of the current track and playback will continue. Pressing the button several times will return the pickup the corresponding number tracks.

4. Playing Specific Tracks in a Specific Order Programmed Play

- With this function, you can choose any of the tracks on the disc and program them to play in any order.
- Programming is possible with the disc holder open.
- Up to 20 tracks can be programmed.
- The programmed tracks are shown on the calendar.

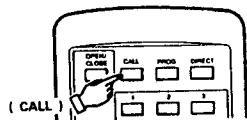
(1) Programming



- Press the PROG/DIRECT button so that the [PROG] indicator lights, then use the number buttons and the +10 button to program the tracks.
For example, to program tracks 3, 12, and 7, press [PROG/DIRECT], [3], [+10], [2], and [7].
The corresponding track number lights on the calendar each time a track is programmed, the track number is displayed on the TRACK NO. display, and the total playing time of the programmed tracks is displayed on the TIME display. A few seconds after the last track has been programmed, the total number of tracks programmed is displayed on the TRACK NO. display and the total playing time of the programmed tracks is displayed on the TIME display.

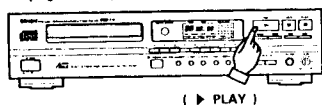
(2) Checking the Programmed Tracks

(Remote control only)



- Press the CALL button. The programmed tracks are displayed in order on the TRACK NO. display each time the CALL button is pressed.

(3) Playing the Programmed Tracks



- Press the (▶) PLAY button to play the tracks in the programmed order.

(4) Clearing the Program

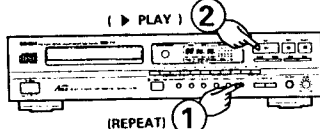
- The entire program is cleared when the PROG/DIRECT button is pressed again. The program is also cleared when the (▲) OPEN/CLOSE button is pressed.
- If the PROG/DIRECT button is pressed during programmed play, the program is cleared and playback continues normally through to the last track on the disc.

NOTES

- If programming is done in the play or pause mode, the track currently playing is programmed at the first position. Other tracks can be added to the program, but the number of programmed tracks and the playing time will not be displayed.
- Direct search is not possible during programmed play. If the number buttons are pressed, that track is added to the end of the program.
- Programming is possible with the disc holder open.
- Track numbers greater than the number of tracks recorded on the disc can be programmed, but will be automatically cleared before playback begins.
- The remaining time per track will only be displayed for track numbers 1 through 20.
- The total program time and remaining program time are not displayed if tracks greater than track number 20 are programmed.

(5) Repeating playback

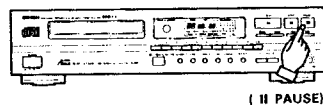
(DCD-615 remote control only)



- Press the repeat button (REPEAT).
 - Press the play button (▶) PLAY.
- Pressing the repeat all tracks button (REPEAT), REPEAT is displayed.
 - Steps 1 and 2 above may be reversed.
 - To cancel repeat playback of all tracks, press the repeat button (REPEAT) once more.
 - Pressing the repeat button (REPEAT) during programmed playback, playback of the tracks entered into the memory will be repeated.

(6) Pausing playback at any point

Pause



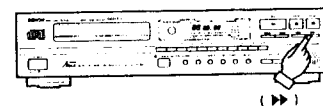
- Playback can be temporarily halted and then continued from the same point in the track.
- Press the pause button (|| PAUSE) during playback.
 - To continue playback, press the play button (▶) PLAY or the pause button (|| PAUSE) once more.

(7) Audible quick search

Manual Search

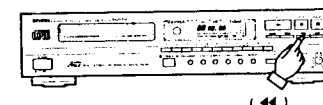
- Using this function, you can cue to a desired point within a track, either in the forward or reverse direction.
- Release the manual search button (◀◀ or ▶▶) when the desired point has been reached. Normal playback then continues.

(1) Manual Search Forward



- Press the manual search forward button (▶▶) during playback. Playback of the track is sped up.
- As a reference, the current track number and elapsed playback time within the track are displayed.
- Manual search forward is approximately three times faster when engaged during the pause state compared to playback. In this case, no sound is heard however.
- If the manual search forward button (▶▶) is kept pressed after the end of the final track on the disc is reached, (JJ) is displayed and manual search stops. To return to another point, press the manual search reverse button (◀◀) until (JJ) disappears.

(2) Manual Search in Reverse

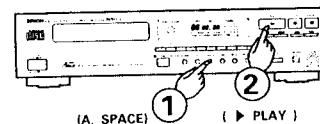


- Press the manual search reverse button (◀◀) during playback. Reverse playback of the track is sped up.
- As a reference, the current track number and elapsed playback time within the track are displayed.
- Manual search in reverse is approximately three times faster when engaged during the pause state compared to playback. In this case, no sound is heard however.
- If the manual search reverse button (◀◀) is kept pressed after the beginning of the first track on the disc is reached, (CC) is displayed and manual search stops. To return to another point, press the manual search forward button (▶▶) until (CC) disappears.

(8) Inserting blanks between tracks

Auto Space

- This is convenient feature that will insert 4-second blanks between tracks, which can be used when recording compact discs on tape.



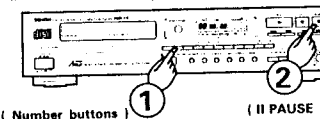
- Pressing the auto space button (A SPACE) will cause the [A SPACE] indicator to light.
- Press the play button (▶) PLAY to start playback.
- When a track has been played to its end, a 4-second silence is made before the next track starts playing.
- Press the auto space button (A SPACE) again to cancel the function.

(9) Searching and Pausing at the Beginning of the Track

Pause

(1) With Direct Search

- In this case, the set pauses at the beginning of the track found with the direct search operation.



- Press the number button(s) for the desired track.
- Press the (|| PAUSE) button.
- To start playback, press the (▶) PLAY or (|| PAUSE) button.

(2) With Program Search

- Press the (|| PAUSE) button after the program search operation is completed. The set will pause at the beginning of the first programmed track.

(10) Synchronized Recording Function

Synchronized Recording Function

Connecting the SYNCHRO jack with a DENON cassette deck which is equipped with a SYNCHRO jack will allow synchronized recordings to be made.

- To use this function, be sure to connect the SYNCHRO jacks as well as the output jacks. (See Page 8 for connections.) Then, load a disc.
- With the CD player in the stop or pause condition, starting a synchronized recording at the cassette deck side will automatically cause the CD player to start playing. (This is synchronized play.)
- The remote control signal receive indicator of the display will blink during synchronized play.

NOTE

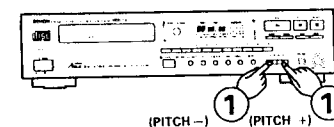
- Synchronized play is also possible in the program mode.
- The repeat mode is cancelled when synchronized play is started.
- Except for the STOP, PLAY, TIME, A SPACE, PITCH and DISPLAY buttons, the buttons will not operate during synchronized play.
- To use this function in the AUTO EDIT condition, use the longer tape than total playing time of the disc.
- In the play condition, even if you start a synchronized recording at the cassette deck side, CD player will not synchronize with the cassette deck and the cassette deck becomes synchronized pause condition.
- In this case push the STOP button of the cassette deck, set the CD player in the stop or pause condition and start a synchronized recording at the cassette deck side again.
- For further details, see the owner's manual for the cassette deck that has been connected.

(11) Changing the Speed of Playback

Pitch Control

(DCD-715 only)

- Playback can be speeded up or slowed down.



- Press the PITCH + or PITCH - button during the play or pause mode to change the speed of playback.
- When one of the PITCH buttons is pressed, the amount of the speed change appears on the TIME display for approximately 2 seconds. The speed can be changed in steps of 0.1% from -12.0% to +12.0%.
- Press the PLAY button (▶) PLAY during playback with a different speed to return to normal speed playback. Also, the speed setting is cancelled if the stop mode is set during playback at a different speed.

NOTES

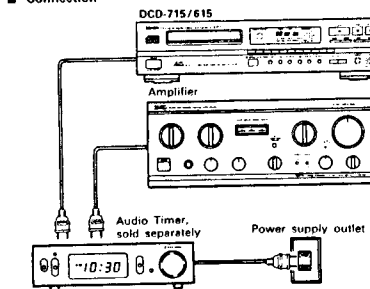
- No data is output from the digital output jack (COAXIAL) during playback with a different speed. If you want to output data, press the PLAY button (▶) PLAY to return to normal speed playback.
- The pitch also changes when the speed is changed.
- The time display (elapsed playback time, remaining time per track, or total remaining time) will not be accurate during playback with a different speed.
- A maximum of 1 second is required to return to the normal speed when the PLAY button (▶) PLAY is pressed during playback with a different speed. During this time, only the OPEN/CLOSE (▲) OPEN/CLOSE and STOP buttons (■) STOP will function.

TIMER-CONTROLLED PLAYBACK

■ Operation

- Turn on the power of all system components.
- Set the input selector on the amplifier to correspond to the inputs the CD player is connected to.
- Make sure a disc has been loaded in the disc holder.
- Check the time on the timer and then set the desired turn-on time.
- Turn the audio timer ON. Power is turned off automatically in all components connected to the timer.
- When the preset turn-on time is reached, power is turned on in the system components, and CD playback starts from the first track.

■ Connection



THE COMPACT DISC

1. Precautions on handling compact discs

- Do not allow fingerprints, oil or dust on the surface of the compact disc. If the signal surface is dirty, wipe it off with a soft, dry cloth. Wipe in circular motions from the center and out.
- Do not use water, benzene, thinner, record sprays, electrostatic proof chemicals, or silicone-treated cloth to clean discs.
- Always use care when handling discs to prevent damaging the surface, in particular when removing a disc from the case and returning it.
- Do not bend compact discs.
- Do not apply heat to compact discs.
- Do not enlarge the hole in the center of the disc.
- Do not write on the disc surface if it is brought into a warm room from a cold area, such as outdoors during winter. Wait until the condensation disappears. Never dry discs with hair dryers, etc.

2. Precautions on storage

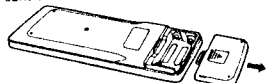
- After playing a disc, always return it to its case.
- Keep discs in the cases when they are not to be played. This will protect them from dust and dirt and prolong their service life.
- Do not store discs in the following places:
 - Places exposed to direct sunlight for a considerable time.
 - Places subject to accumulation of dust or high humidity.
 - Places exposed to high temperatures, such as close to heater outlets.

PLAYBACK USING THE REMOTE CONTROL UNIT

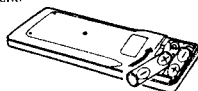
The accessory RC-241 remote control unit can be used to control the CD player from a convenient distance.

(1) Inserting the dry cell batteries

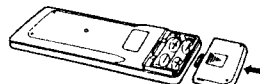
- Remove the battery cover on the back of the remote control unit.



- Insert two R03 (standard size AAA) dry cell batteries with correct polarity as indicated inside the battery compartment.



- Replace the battery cover.

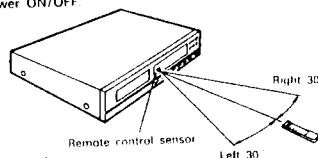


Notes on the Batteries

- The remote control unit uses standard size AAA dry cell batteries.
- The batteries will need to be replaced approximately once a year. Replacement may be necessary earlier depending on how much the remote control unit is used.
- If, in less than a year from the time new batteries were inserted, the remote control fails to operate the CD player from a near by position, it is time to replace the batteries.
- Insert the batteries properly, following the polarity diagram inside the battery compartment, in other words make sure (+) and (-) terminals are properly aligned.
- Batteries are prone to damage and leakage. Therefore:
 - Do not combine new batteries with used ones.
 - Do not combine different types of batteries.
 - Do not jumper opposite poles of the batteries, expose them to heat, break them open nor expose of them in open fire.
- If the remote control unit is not to be used for a long period of time, remove the batteries from the unit.
- If the batteries have leaked, remove any traces of battery fluid from the battery compartment, wiping thoroughly with a dry cloth. Then insert new batteries.

(2) Directions for Use

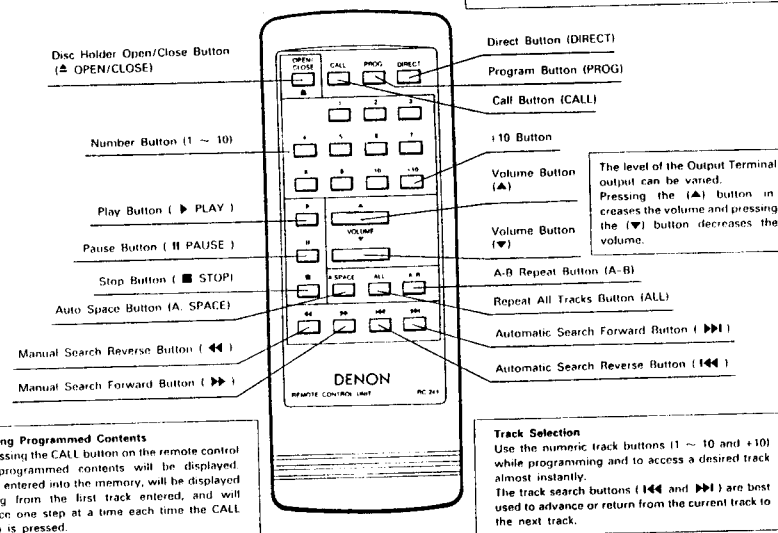
- Operate the remote control unit while pointing it towards the remote control sensor on the CD player (see below). When a remote control signal is received, the remote control indicator on front of the CD player lights briefly.
- The remote control unit can be used at a distance up to 8 meters in a straight line from the CD player. This distance decreases if there are obstructions blocking the signal path or when the remote control unit is operated at an angle from the remote control sensor.
- The buttons on the remote control unit have identical functions with those on the CD player.
- However, the following functions cannot be remote controlled: Power ON/OFF.



Notes on Operation

- Do not press identical buttons on the CD player and remote control unit simultaneously as this may cause malfunction.
- The remote control unit may be difficult to operate if the remote control sensor is exposed to strong light, such as direct sunlight or light from fluorescent lamps, or if there are obstacles between the remote control unit and the sensor.
- Direct track selection**
Using the track number buttons (1 ~ 10, +10), tracks can be directly assigned for playback.
- Track selection while programming**
Press the program button (PROG) and then the track numbers you wish to enter into the memory.
Example: PROG → 3 → +10 & 1 → 5 ...
(Tracks 3, 11, 5 and so on are entered into the memory.)
Memorized tracks are erased by pressing the Direct button (DIRECT).
- Correct use of the track number buttons**
Direct selection of single-digit tracks is easy by just pressing the desired track number button. For tracks with numbers from 11 and on, first press the +10 button and then a single-digit button. E.g., to select track 22, press the +10 button twice and then press the 2 button.

REMOTE CONTROL UNIT RC-241



Checking Programmed Contents

By pressing the CALL button on the remote control unit, programmed contents will be displayed. Tracks entered into the memory, will be displayed starting from the first track entered, and will advance one step at a time each time the CALL button is pressed.

• Repeat All Tracks Button (ALL)

Press this button to repeat playback of all tracks. When this button is pressed, [REPEAT] lights on the display and all tracks on the disc or in a program will be repeatedly played back. Press this button once more to disengage the Repeat All function.

• A-B Repeat Button (A-B)

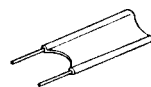
Repeating playback of a desired interval

- Start playback and press the A-B button when you reach the starting point of the interval. The [A-B] indicator starts blinking.
- Continue playback or advance the pickup using the Automatic search forward button (▶▶) or manual search forward button (▶) until the ending point is reached. Then press the A-B button once more. The [A-B] indicator will light.
- The pickup will now return to the starting point and repeat playback of the selected interval.
- This interval will be repeated until the A-B repeat mode is cancelled by pressing the A-B repeat button. The [A-B] indicator goes out.
- A-B repeat playback is not possible during programmed playback.

INSTALLATION PRECAUTIONS

The CD player uses a microcomputer for controlling internal electronic circuits. In the event that the player is used while a near-by tuner or TV is turned on, although unlikely, interference could occur either in the sound from the tuner or the picture of the TV. To avoid this, please take the following precautions.

- Keep the CD player as far away from the tuner or TV set as possible.
- Keep the power cable and connecting cable of the CD player separate from the antenna wires of the tuner and TV.
- Interference is particular likely to occur when an indoor antenna or a 300-ohm feeder cable is used. Thus, use of an outdoor antenna and 75-ohm coaxial cable is strongly recommended.



300-ohm feeder cable



75-ohm coaxial cable

TROUBLESHOOTING

If the CD player does not seem to be functioning properly, check the following:

Disc holder does not open or close.

- Is the power on?

When a disc is loaded, 00 00 00 is displayed.

- Is the disc loaded properly? See page 8

When the play button (▶ PLAY) is pressed, playback does not start.

- Is the disc dirty or scratched? See page 12

There is no sound, or it is distorted.

- Is the output cord properly connected to the amplifier? See page 7
- Have the amplifier controls been set correctly?

A specific section of the disc will not play.

- Is the disc dirty or scratched? See page 12

Programmed playback does not work.

- Have programming been properly done?

..... See pages 9, 10 and 12

Incorrect operation when buttons on the remote control are pressed.

- Is the remote control unit being operated too far from the CD player? See page 12
- Are there obstacles blocking the ray?
- Is the remote control sensor exposed to strong light?
- Are the batteries exhausted?

SPECIFICATIONS

AUDIO

DCD-715

DCD-615

No. of Channels:	2 channels	
Frequency Response:	2 ~ 20,000 Hz	
Dynamic Range:	98 dB	
Signal-to-noise Ratio:	107 dB	106 dB
Harmonic Distortion:	0.003% (1 kHz)	0.003% (1 kHz)
Separation:	103 dB (1 kHz)	100 dB (1 kHz)
Wow & Flutter:	Below measurable limit: (± 0.001% W, peak)	
Output Voltage:	0.2 ~ 2.0 V	

DISCS

Compact Disc format

GENERAL CHARACTERISTICS

Power Supply:	50 Hz, ~ 230 V
Power Consumption:	10W
Dimensions:	434 (17-3/32") W × 105 (4-1/8") H × 280 (11-1/32") D mm
Weight:	3.8 kg

FUNCTIONS AND DISPLAY

Functions:	Automatic search, programmed playback, repeat playback, manual search, auto space, time mode, auto edit,
Display:	Track number, time, music calendar, emphasis feature and engaged modes
Others	Headphones jack
REMOTE CONTROL UNIT	RC-241
Remote Control System:	Infrared pulse system
Power Supply:	3 V DC; two R03 (standard size AAA) dry cell batteries
External Dimensions:	56 (2-13/64") W × 154 (6-1/16") H × 17 (43/64") D mm
Weight:	100 g (including batteries)

* Design and specifications are subject to change without notice in the course of product improvement.